Gagandeep Singh

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Education

2013 – 2014 **CGPA: 9.8/10.0**

Adarsh Public School

2015 – 2016 **Percentage: 96%(Overall)**

Adarsh Public School

2016 – Present **Btech Undergraduate**
Indraprastha Institute of Information Technology, Delhi

Software skills

Languages	C/C++,JAVA, Python, HTML, CSS, JavaScript, MySQL, Ruby
Technologies	Django, Ruby on Rails, React-JS, **Apache Spark, Hadoop DFS, Numpy, Pandas, Git, Tensorflow, Scikit-learn**
Operating Systems	Linux/Unix, MacOSx, Windows

Experience

January 2019-Present

Collaborator
Open Source Contributions

Contributing to open source projects of Public Lab and redesigning parts of their website.

May 2019-Present

Undergraduate Researcher
Data Science Lab, IIIT Delhi

Co-Location Pattern Mining: Implementing algorithms for **spatial co-location pattern mining** on top of the predefined algorithms and devising a new support measure and parallelizing its implementation using Apache Spark.

May 2018

Assistant Technical Intern
Camp K12

Teaching intern with CAMP-K12 in the fields of JAVA and Android.

Public projects

2019 **Spam Ham E-mail predictor (Spam Ham predictor) (Source Code)**
*Predicting whether an e-mail is ham or spam using **scikit-learn** library in python. Preprocessing of text was done using **nltk** library and was deployed using **flask**. Using the naive-bayes classifier , 97% precision was achieved.*

2018 **Terrorist Attack Prediction and Analysis (Terrorist Attack Prediction)**
*The project implements terrorist attack prediction and cluster analysis of terrorist attacks using **ML library in Apache-Spark**. **Hadoop's map reduce** based implementation was used to produce the total number of attacks in a particular region.*

2019 **Join-less approach to Co-Location Pattern Mining (Co-location Pattern Mining)**
*Implementing join-less approach for co-location pattern mining in **Apache Spark** using participation index.*

2019 **Recommender System (Movie recommendation)**
*A recommender system for movie recommendations written in **python notebooks**.*

2019 **Weather App (Weather-App)**
*A web application made in **React-JS** which uses weather api and Google places API to graphically present the variation in weather conditions.*

2018 **Departmental Store**
*A departmental store web app using **Ruby on Rails**, along with some basic rspec tests. The project was implemented using **Agile** methodologies.*

2017 **Chain Reaction (Chain Reaction)**
The game Chain reaction as a desktop app, which included a basic AI using probability and randomness. The game could be played for 1-8 players.

2018 **GYM Management System**
A GYM Management System with MySQL at its backend and JAVA-FX as its front end.

Online Certifications

- **Tensorflow for Deep Learning**
- **Python for Data Science and Machine Learning**